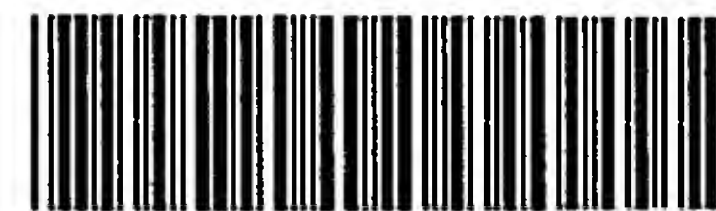# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/563,199_

Source: _TFWP_

Date Processed by STIC: _1/9/07_

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 01/09/2007
PATENT APPLICATION: US/10/563,199   TIME: 09:17:39

Input Set : A:\ERP02.001APC1 SEQLIST.txt
Output Set: N:\CRF4\01092007\J563199.raw

```
 4 <110> APPLICANT: Brownlie, Joyn
 5        Chalker, Victoria Jane
 6        Erles, Kerstin
 8 <120> TITLE OF INVENTION: VACCINE COMPOSITION FOR VACCINATING DOGS
 9        AGAINST CANINE INFECTIOUS RESPIRATORY DISEASE (CIRD)
12 <130> FILE REFERENCE: ERP02.001APC1
14 <140> CURRENT APPLICATION NUMBER: US 10/563,199
15 <141> CURRENT FILING DATE: 2006-01-03
17 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/002865
18 <151> PRIOR FILING DATE: 2004-07-01
20 <150> PRIOR APPLICATION NUMBER: GB 0315326.6
21 <151> PRIOR FILING DATE: 2003-07-01
23 <160> NUMBER OF SEQ ID NOS: 10
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 218
29 <212> TYPE: DNA
30 <213> ORGANISM: Chlamidophila
32 <400> SEQUENCE: 1
33 agtggtctcc ccagattcag actaggtttc acgtgcctag ccctactcag gtatcgaata 60
34 gagtctcttg tttttcgtc tacgggacta tcaccctgta tcgttctact ttccagaagt 120
35 attcgactaa aacttaagat cccatgttat cgaccctaca accccacatt aaaaatgtgg 180
36 tttggtcttc tcccctttcg ctcgccgcta cacaggga 218
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 221
40 <212> TYPE: DNA
41 <213> ORGANISM: Chlamydophila
43 <400> SEQUENCE: 2
44 gacagtggtc tccccagatt cavactaggt ttcacgtgtc tagccctact caggtatcga 60
45 atagagtctc ttgtttttwc gtctacggga ctatcaccct gtatcgttct actttccaga 120
46 agtattcgac taaaacttaa gatcccatgt tatcgaccct acaaccccac attaaaaatg 180
47 tggtttggtc ttctcccctt cgctcgccg ctacacaggg a 221
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 224
51 <212> TYPE: DNA
52 <213> ORGANISM: Chlamydophila
54 <400> SEQUENCE: 3
55 tgagagtggt ctccccagat tcagactagg tttcacgtgt ctagccctac tcaggtatcg 60
56 aatagagtct cttgtttttt cgtctacggg actaacaccc tgtatcgttc tactttccag 120
57 aagtattcga ctaaaactta agatcccatg ttatcgaccc tacaacccca cattaaaaat 180
58 gtggtttggt cttctcccct tttcgctcgk ccgytatcac aggg 224
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 221
```

RAW SEQUENCE LISTING   DATE: 01/09/2007
PATENT APPLICATION: **US/10/563,199**   TIME: 09:17:39

Input Set : **A:\ERP02.001APC1 SEQLIST.txt**
Output Set: **N:\CRF4\01092007\J563199.raw**

```
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Chlamydophila
 65 <400> SEQUENCE: 4
 66 gadagtggtc tccccagatt cadactaggt ttcacgtgtc tagccctact caggtatcga 60
 67 atagagtctc ttgtttttc gtctacggga ctatcaccct gtatcgttct actttycaga 120
 68 agtattcgac taawwcttaa gatcccatgt tatcgaccct acaacccac attwwwwatg 180
 69 tggtttggtc ttctcccctt tygctcgccg ctacacaggg a            221
 71 <210> SEQ ID NO: 5
 72 <211> LENGTH: 217
 73 <212> TYPE: DNA
 74 <213> ORGANISM: Chlamydophila
 76 <400> SEQUENCE: 5
 77 tgagagtggt ctccccagat tcagactagg tktcacgtgt ctagccctac tcaggtatcg 60
 78 aatagagtct cttgttttkt cgtctacggg actatcaccc tgtatcgttc tactttccca 120
 79 gaagtattcg actaaaahct taagatcccc atgttatcga ccctacaacc cccacatdaa 180
 80 aaatgtggtt tggtcttctc ccctttcgct cgccgct             217
 82 <210> SEQ ID NO: 6
 83 <211> LENGTH: 221
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Chlamydophila
 87 <400> SEQUENCE: 6
 88 gabagtggtc tccccagatt cagactaggt ttcacgtgtc tagccctact caggtatcga 60
 89 atagagtctc ttgtttttc gtctacggga ctatcaccct gtatcgttct actttccaga 120
 90 agtattcgac taaaacttaa gatcccatgt tatcgaccct acaacccac attaaaaatg 180
 91 tggtttggtc ttctcccctt tcgctcgccg ctactcaggg a            221
 93 <210> SEQ ID NO: 7
 94 <211> LENGTH: 220
 95 <212> TYPE: DNA
 96 <213> ORGANISM: Chlamydophila
 98 <400> SEQUENCE: 7
 99 tgagagtggt ctccccagat tcagtcaaaa tatcacgtgt tccgacctac tcaggatact 60
100 attagtatta ttgagaatbt taattacagg agtatcacct tctatgctct agtttccaac 120
101 taattcatct attctcttta attacacatt atagtcctac aacccccmaa tgcaagcatt 180
102 gggtttgtcc taatcccagt tcgctcgccg ctacacaggg            220
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 220
106 <212> TYPE: DNA
107 <213> ORGANISM: Chlamydophila
109 <220> FEATURE:
110 <221> NAME/KEY: misc_feature
111 <222> LOCATION: 174
112 <223> OTHER INFORMATION: n = A,T,C or G
114 <400> SEQUENCE: 8
115 tgagagtggt ctccccagat tcagactagg tttcacgtgt ctagccctac tcaggtatcg 60
116 aatagagtct cttgtttttt tgtctacggg actatcaccc tgtatcgttc tactttccag 120
W--> 117 aagtattcga ctaaaactta agatcccatg ttatcgaccc tacaacccca catnaaaaat 180
118 gtggtttggt cttctcccct ttcgctcgcc gctacacagg            220
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 28
```

```
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: PCR primer
128 <400> SEQUENCE: 9
129 gatgccttgg cattgatagg cgatgaag                          28
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 21
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: PCR primer
139 <400> SEQUENCE: 10
140 tggctcatca tgcaaaaggc a                                 21
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/09/2007
PATENT APPLICATION: US/10/563,199   TIME: 09:17:40

       Input Set : A:\ERP02.001APC1 SEQLIST.txt
       Output Set: N:\CRF4\01092007\J563199.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 174

VERIFICATION SUMMARY   DATE: 01/09/2007
PATENT APPLICATION: **US/10/563,199**   TIME: 09:17:40

Input Set : **A:\ERP02.001APC1 SEQLIST.txt**
Output Set: **N:\CRF4\01092007\J563199.raw**

L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:120